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	ABSTRACT: A channel convert input RF televisi for remodulating output signal at the input convert another oscillato remodulates the p	on channel f the intermed the same fre er and the o or demodulate	requency signal liate frequency: equency. Video proutput remodulates the intermedia	to an int signal to cocessing or. For ba	ermediate fre produce a cha is accomplish seband decodi ncy signal an	quency and nnel ed between ng, d	
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US PAT NO: 4,598,313 [IMAGE AVAILABLE] L5: 13 of 15 component amplitude modulating an RF carrier to a selected percentage of modulation and characterized by inverted reference black and white level components. At the receiver, a decoding signal equal in frequency to and 180 degrees out of phase with the RF carrier is generated and combined with the received signal to provide a decoded television signal. The level of the decoding signal is controlled in response to the difference between the peak detected reference level signals such that the percentage of modulation of the decoded television signal is the same as that characterizing the encoded signal. 14. 4,554,579, Nov. 19, 1985, Two-way CATV system with AML commands; Richard W. Citta, 348/10, 380/20; 455/4.1, 5.1 [IMAGE AVAILABLE] US PAT NO: 4,554,579 [IMAGE AVAILABLE] L5: 14 of 15 ABSTRACT: In a two-way cable television (CATV) system, multiple subscriber address codes are provided during designated vertical blanking interval (VBI) lines of the video signal transmitted from the CATV headend to a plurality of system subscriber terminals. Each subscriber terminal is provided with a decoder in which is stored subscriber unique address code for comparison with the received subscriber address codes. If there is an address match, and address match latch (AML) signal is generated from a multibit pulse coded downstream command signal for initiating various functions in the CATV system, e.g., acknowledging subscriber upstream requests, subscriber interrogation, power adjustment, etc. 15. 4,461,032, Jul. 17, 1984, CATV Service controller; Peter C. Skerlos, 1987; 348/7, 10; 380/20; 455/4.1 [IMAGE AVAILABLE] US PAT NO: 4,461,032 [IMAGE AVAILABLE] L5: 15 of 15 ABSTRACT: A remotely located and controlled programming controller for a cable-compatible television receiver is disclosed. Cable head end-generated control signals are provided to each controller for subscribed-to CATV channels by the television receiver. Coded subscriber addressing and operating mode cont
US PAT NO: 4,598,313 IIMAGE AVAILABLEI L5: 13 of 15 component amplitude modulating an RF carrier to a selected percentage of modulation and characterized by inverted reference black and white level components. At the receiver, a decoding signal equal in frequency to and 180 degrees out of phase with the RF carrier is generated and combined with the received signal to provide a decoded television signal. The level of the decoding signal is controlled in response to the difference between the peak detected reference level signals such that the percentage of modulation of the decoded television signal is the same as that characterizing the encoded signal. 14. 4,554,579, Nov. 19, 1985, Two-way CATV system with AML commands; Richard W. Citta, 348/10, 338/20; 455/4.1, 5.1 IIMAGE AVAILABLEI US PAT NO: 4,554,579 IIMAGE AVAILABLEI L5: 14 of 15 ABSTRACT: In a two-way cable television (CATV) system, multiple subscriber address codes are provided during designated vertical blanking interval (VBI) lines of the video signal transmitted from the CATV headend to a plurality of system subscriber terminals. Each subscriber terminal is provided with a decoder in which is stored subscriber unique address code for comparison with the received subscriber address codes. If there is an address match, an address match signals thus generated for each VBI line address match. The address match signals thus generated for an unltibit pulse coded downstream command signal for initiating various functions in the CATV system, e.g., acknowledging subscriber upstream requests, subscriber interrogation, power adjustment, etc. 15. 4,461,032, Jul. 17, 1984, CATV Service controller; Peter C. Skerlos, ENVIR; 348/7, 10; 380/20; 455/4.1 IIMAGE AVAILABLEI US PAT NO: 4,461,032 IIMAGE AVAILABLEI L5: 15 of 15 ABSTRACT: A remotely located and controlled programming controller for a cable-compatible television receiver is disclosed. Cable head end-generated control signals are provided by wire to the cable TV controller for selectively enabling /disa
W. Citta, 348/10, 5.5; 380/20; 455/4.1, 5.1 [IMAGE AVAILABLE] US PAT NO: 4,554,579 [IMAGE AVAILABLE] L5: 14 of 15 ABSTRACT: In a two-way cable television (CATV) system, multiple subscriber address codes are provided during designated vertical blanking interval (VBI) lines of the video signal transmitted from the CATV headend to a plurality of system subscriber terminals. Each subscriber terminal is provided with a decoder in which is stored subscriber unique address code for comparison with the received subscriber address codes. If there is an address match, an address match latch (AML) signal is generated for each VBI line address match. The address match signals thus generated from a multibit pulse coded downstream command signal for initiating various functions in the CATV system, e.g., acknowledging subscriber upstream requests, subscriber interrogation, power adjustment, etc. 15. 4,461,032, Jul. 17, 1984, CATV Service controller; Peter C. Skerlos, ENVIO; 348/7, 10; 380/20; 455/4.1 [IMAGE AVAILABLE] US PAT NO: 4,461,032 [IMAGE AVAILABLE] L5: 15 of 15 ABSTRACT: A remotely located and controlled programming controller for a cable-compatible television receiver is disclosed. Cable head end-generated control signals are provided by wire to the cable IV controller for selectively enabling the reception of subscribed-to CATV channels by the television receiver. Coded subscriber addressing and operating mode control signals are provided to each controller in the cable network for selectively enabling/disabling each controller is responsive to transmitted operating mode control data bits for enabling/disabling individual cable channel reception. In addition, each controller is assigned and responsive to subsequently
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control and address data are represented respectively by the first and last bit groups of the head end-generated cable access signal. The programming controller may be remotely located in coupling the television receiver to the cable network with system status monitoring provided by head end-generated probe signals for enhanced programming security.
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417 (DISABL###)/AB L12 6 L11 AND (DISABL###)/TI, AB => d cit, ab 1-6 1. 5,243,651, Sep. 7, 1993, Diagnostic method and apparatus for a cable relevision interdiction system; Himanshu Parikh, et al., 380/20, 1, 10, 16 [IMAGE AVAILABLE] US PAT NO: 5,243,651 [IMAGE AVAILABLE] L12: 1 of 6 ABSTRACT: A diagnostic method and apparatus for a cable relevision interdiction system is provided. One or more diagnostic modes each corresponding to a particular problem or state associated with the interdiction unit may be entered into by the interdiction unit. If a diagnostic mode is detected, the relevision signal provided to a relevision signal receiving apparatus, e.g., a relevision set, is relevision set, is relevision set, is relevision signal provided to the receiving apparatus and/or a light-emitting device, e.g., a light-emitting diode (LED), is pulsed a specified number of times corresponding to the detected diagnostic mode. The cycle of relavoidation of the receiving apparatus and/or the LED is repeated until a transaction is received from the headend cancelling the diagnostic mode. Thus, the pulsing of the receiving apparatus and/or the LED is repeated until a transaction is received from the headend cancelling the diagnostic mode. Thus, the pulsing of the receiving apparatus that a problem has occurred to the interdiction unit, and this information may be provided by the user to the cable relevision operator. Likewise, the pulsing LED coupled to the interdiction unit may alert a technician working on the interdiction unit as to the cause of the problem. In a preferred embodiment, the LED may be located on a tamper override module (ToM) inserted into the interdiction unit as to the cause of the problem. In a preferred embodiment, the LED may be located on a tamper override module (ToM) inserted into the interdiction unit by a technician in order to service the interdiction unit. 2. 4,907,093, Mar. 6, 1990, Method and apparatus for preventing the copying of a witch program; John O. Ryan, 358/335, 319; 360/37.1;	417 (DISABL###)/TI 5348 (DISABL###)/AB L12 6 L11 AND (DISABL###)/TI,AB => d cit,ab 1-6 1. 5,243,651, Sep. 7, 1993, Diagnostic method and apparatus for a cable civision interdiction system; Himanshu Parikh, et al., 380/20, 1, 10, 16 IIMAGE AVAILABLEI US PAT NO: 5,243,651 [IMAGE AVAILABLE] L12: 1 of 6 ABSTRACT: A diagnostic method and apparatus for a cable civision interdiction system is provided. One or more diagnostic modes each corresponding to a particular problem or state associated with the interdiction unit may be entered into by the interdiction unit. If a diagnostic mode is detected, the civision signal provided to a civision signal receiving apparatus, e.g., a civision signal provided to a civision signal provided to the receiving apparatus, and/or a light-emitting device, e.g., a light-emitting diode (LED), is pulsed a specified number of times corresponding to the detected diagnostic mode. The cycle of civision in the civision signal provided to the receiving apparatus and/or the civision signal provided to the receiving apparatus and/or the LED is repeated until a transaction is received from the headend cancelling the diagnostic mode. Thus, the pulsing of the civision signal provided to the receiving apparatus and/or the LED is repeated until a transaction is received from the headend cancelling the diagnostic mode. Thus, the pulsing of the civision signal provided to the receiving apparatus alerts the user of the receiving apparatus that a problem has occurred to the interdiction unit, and this information may be provided by the user to the cable civision operator. Likewise, the pulsing LED coupled to the interdiction unit may alert a technician working on the interdiction unit as to the cause of the problem. In a preferred embodiment, the LED may be located on a tamper override module (TOM) inserted into the interdiction unit by a technician in order to service the interdiction unit. 2. 4,907,093, Mar. 6, 1990, Method and apparatus for preventing the copying of a citic program; John O. Ryan,				·	·		
1. 5,243,651, Sep. 7, 1993, Diagnostic method and apparatus for a cable relevision interdiction system; Himanshu Parikh, et al., 380/20, 1, 10, 16 [IMAGE AVAILABLE] US PAT NO: 5,243,651 [IMAGE AVAILABLE] L12: 1 of 6 ABSTRACT: A diagnostic method and apparatus for a cable relevision interdiction system is provided. One or more diagnostic modes each corresponding to a particular problem or state associated with the interdiction unit may be entered into by the interdiction unit. If a diagnostic mode is detected, the relevision signal provided to a relevision signal receiving apparatus, e.g., a relevision set, is resolved for a specified length of time. Thereafter, depending upon the diagnostic mode detected, either the relevision signal provided to the receiving apparatus and/or a light-emitting device, e.g., a light-emitting diode (LED), is pulsed a specified number of times corresponding to the detected diagnostic mode. The cycle of resolving the relevision signal provided to the receiving apparatus and pulsing either or both the revision signal provided to the receiving apparatus and/or the LED is repeated until a transaction is received from the headend cancelling the diagnostic mode. Thus, the pulsing of the receiving apparatus that a problem has occurred to the interdiction unit, and this information may be provided by the user to the cable receiving apparatus that a problem has occurred to the interdiction unit may alert a technician working on the interdiction unit as to the cause of the problem. In a preferred embodiment, the LED may be located on a tamper override module (TOM) inserted into the interdiction unit as to the cause of the problem. In a preferred embodiment, the LED may be located on a tamper override module (TOM) inserted into the interdiction unit by a technician in order to service the interdiction unit. 2. 4,907,093, Mar. 6, 1990, Method and apparatus for preventing the copying of a rideo program; John O. Ryan, 358/335, 319; 360/37.1; 380/5, 10, 15	1. 5,243,651, Sep. 7, 1993, Diagnostic method and apparatus for a cable revision interdiction system; Himanshu Parikh, et al., 380/20, 7, 10, 16 [IMAGE AVAILABLE] US PAT NO: 5,243,651 [IMAGE AVAILABLE] L12: 1 of 6 ABSTRACT: A diagnostic method and apparatus for a cable relevision interdiction system is provided. One or more diagnostic modes each corresponding to a particular problem or state associated with the interdiction unit may be entered into by the interdiction unit. If a diagnostic mode is detected, the receiving signal provided to a relevision signal receiving apparatus, e.g., a relevision set, is resolved for a specified length of time. Thereafter, depending upon the diagnostic mode detected, either the relevision signal provided to the receiving apparatus and/or a light-emitting device, e.g., a light-emitting diode (LED), is pulsed a specified number of times corresponding to the detected diagnostic mode. The cycle of resolving apparatus and pulsing either or both the revision signal provided to the receiving apparatus and pulsing either or both the revision signal provided to the receiving apparatus and/or the LED is repeated until a transaction is received from the headend cancelling the diagnostic mode. Thus, the pulsing of the receiving apparatus that a problem has occurred to the user of the receiving apparatus that a problem has occurred to the interdiction unit, and this information may be provided by the user to the cable relevision operator. Likewise, the pulsing LED coupled to the interdiction unit as to the cause of the problem. In a preferred embodiment, the LED may be located on a tamper override module (TOM) inserted into the interdiction unit by a technician in order to service the interdiction unit. 2. 4,907,093, Mar. 6, 1990, Method and apparatus for preventing the copying of a Wices program; John O. Ryan, 358/335, 319; 360/37.1; 380/5, 10, 15 [IMAGE AVAILABLE]	•		417 (DISABL###), 5348 (DISABL###),	/ÍI /AB			
US PAT NO: 5,243,651 [IMAGE AVAILABLE] L12: 1 of 6 ABSTRACT: A diagnostic method and apparatus for a cable [Cevision] interdiction system is provided. One or more diagnostic modes each corresponding to a particular problem or state associated with the interdiction unit may be entered into by the interdiction unit. If a diagnostic mode is detected, the [Cevision] signal provided to a [Cevision] signal receiving apparatus, e.g., a [Cevision] set, is [Cevision] signal receiving apparatus, e.g., a [Cevision] signal provided to the receiving apparatus and/or a light-emitting device, e.g., a light-emitting diode (EDD) is pulsed a specified number of times corresponding to the detected diagnostic mode. The cycle of [ISSID] [IM the [Cevision]] signal provided to the receiving apparatus and pulsing either or both the [Cevision] signal provided to the receiving apparatus and pulsing either or both the [Cevision] signal provided to the received from the headend cancelling the diagnostic mode. Thus, the pulsing of the [Cevision] signal provided to the receiving apparatus alerts the user of the receiving apparatus that a problem has occurred to the interdiction unit, and this information may be provided by the user to the cable [Cevision] operator. Likewise, the pulsing LED coupled to the interdiction unit may alert a technician working on the interdiction unit as to the cause of the problem. In a preferred embodiment, the LED may be located on a tamper override module (TOM) inserted into the interdiction unit by a technician in order to service the interdiction unit. 2. 4,907,093, Mar. 6, 1990, Method and apparatus for preventing the copying of a wides program; John O. Ryan, 358/335, 319; 360/37.1; 380/5, 10, 15 [IMAGE AVAILABLE]	US PAT NO: 5,243,651 [IMAGE AVAILABLE] L12: 1 of 6 ABSTRACT: A diagnostic method and apparatus for a cable [elevision] interdiction system is provided. One or more diagnostic modes each corresponding to a particular problem or state associated with the interdiction unit may be entered into by the interdiction unit. If a diagnostic mode is detected, the [elevision] signal provided to a [elevision] signal receiving apparatus, e.g., a [elevision] set, is disabled for a specified length of time. Thereafter, depending upon the diagnostic mode detected, either the [elevision] signal provided to the receiving apparatus and/or a light-emitting device, e.g., a light-emitting diode (LED), is pulsed a specified number of times corresponding to the detected diagnostic mode. The cycle of disabling the [elevision] signal provided to the receiving apparatus and pulsing either or both the [elevision] signal provided to the receiving apparatus and/or the LED is repeated until a transaction is received from the headend cancelling the diagnostic mode. Thus, the pulsing of the [elevision] signal provided to the receiving apparatus alerts the user of the receiving apparatus that a problem has occurred to the interdiction unit, and this information may be provided by the user to the cable television] operator. Likewise, the pulsing LED coupled to the interdiction unit may alert a technician working on the interdiction unit as to the cause of the problem. In a preferred embodiment, the LED may be located on a tamper override module (TOM) inserted into the interdiction unit by a technician in order to service the interdiction unit. 2. 4,907,093, Mar. 6, 1990, Method and apparatus for preventing the copying of a viceo program; John O. Ryan, 358/335, 319; 360/37.1; 380/5, [IV], 15 [IMAGE AVAILABLE]		=> d cit,	ab 1-6				
ABSTRACT: A diagnostic method and apparatus for a cable [Clevision] interdiction system is provided. One or more diagnostic modes each corresponding to a particular problem or state associated with the interdiction unit may be entered into by the interdiction unit. If a diagnostic mode is detected, the [Clevision] signal provided to a [Clevision] signal receiving apparatus, e.g., a [Clevision] set, is [Clevision] signal receiving apparatus, e.g., a [Clevision] upon the diagnostic mode detected, either the [Clevision] signal provided to the receiving apparatus and/or a light-emitting device, e.g., a light-emitting diode (LED), is pulsed a specified number of times corresponding to the detected diagnostic mode. The cycle of [Isabing] the [Clevision] signal provided to the receiving apparatus and pulsing either or both the [Clevision] signal provided to the receiving apparatus and/or the LED is repeated until a transaction is received from the headend cancelling the diagnostic mode. Thus, the pulsing of the [Clevision] signal provided to the receiving apparatus alerts the user of the receiving apparatus that a problem has occurred to the interdiction unit, and this information may be provided by the user to the cable [Clevision] operator. Likewise, the pulsing LED compled to the interdiction unit may alert a technician working on the interdiction unit as to the cause of the problem. In a preferred embodiment, the LED may be located on a tamper override module (TOM) inserted into the interdiction unit by a technician in order to service the interdiction unit. 2. 4,907,093, Mar. 6, 1990, Method and apparatus for preventing the copying of a Video program; John O. Ryan, 358/335, 319; 360/37.1; 380/5, [C], 15 [IMAGE AVAILABLE]	ABSTRACT: A diagnostic method and apparatus for a cable [Clevision] interdiction system is provided. One or more diagnostic modes each corresponding to a particular problem or state associated with the interdiction unit may be entered into by the interdiction unit. If a diagnostic mode is detected, the [Clevision] signal provided to a [Clevision] signal receiving apparatus, e.g., a [Clevision] set, is disabled for a specified length of time. Thereafter, depending upon the diagnostic mode detected, either the [Clevision] signal provided to the receiving apparatus and/or a light-emitting device, e.g., a light-emitting diode (LED), is pulsed a specified number of times corresponding to the detected diagnostic mode. The cycle of [IISADIINE] the [Clevision] signal provided to the receiving apparatus and pulsing either or both the [Clevision] signal provided to the receiving apparatus and/or the LED is repeated until a transaction is received from the headend cancelling the diagnostic mode. Thus, the pulsing of the [Clevision] signal provided to the receiving apparatus alerts the user of the receiving apparatus that a problem has occurred to the interdiction unit, and this information may be provided by the user to the cable [Clevision] operator. Likewise, the pulsing LED coupled to the interdiction unit may alert a technician working on the interdiction unit as to the cause of the problem. In a preferred embodiment, the LED may be located on a tamper override module (TOM) inserted into the interdiction unit by a technician in order to service the interdiction unit. 2. 4,907,093, Mar. 6, 1990, Method and apparatus for preventing the copying of a vices program; John 0. Ryan, 358/335, 319; 360/37.1; 380/5, III, 15 IIMAGE AVAILABLE]		televisio	n interdiction sy	3, Diagnostic metho stem; Himanshu Pari	d and appara kh, et al.,	atus for a cab 380/20, 7 , 10	le
A diagnostic method and apparatus for a cable Television interdiction system is provided. One or more diagnostic modes each corresponding to a particular problem or state associated with the interdiction unit may be entered into by the interdiction unit. If a diagnostic mode is detected, the Television signal provided to a Television signal receiving apparatus, e.g., a Television set, is Television signal receiving apparatus, e.g., a Television set, is Television signal receiving apparatus, e.g., a Television signal provided to the receiving apparatus and/or a light-emitting device, e.g., a light-emitting diode (LED), is pulsed a specified number of times corresponding to the detected diagnostic mode. The cycle of Television signal provided to the receiving apparatus and pulsing either or both the Television signal provided to the receiving apparatus and/or the Television signal provided to the receiving apparatus and/or the Television signal provided to the receiving apparatus alerts the user of the receiving apparatus that a problem has occurred to the interdiction unit, and this information may be provided by the user to the cable Television operator. Likewise, the pulsing LED coupled to the interdiction unit may alert a technician working on the interdiction unit as to the cause of the problem. In a preferred embodiment, the LED may be located on a tamper override module (TOM) inserted into the interdiction unit by a technician in order to service the interdiction unit. 2. 4,907,093, Mar. 6, 1990, Method and apparatus for preventing the copying of a Timeo program; John O. Ryan, 358/335, 319; 360/37.1; 380/5, TO , 15 IIMAGE AVAILABLEI 10:23:13 COPY AND CLEAR PAGE, PLEASE	A diagnostic method and apparatus for a cable [Clevision] interdiction system is provided. One or more diagnostic modes each corresponding to a particular problem or state associated with the interdiction unit may be entered into by the interdiction unit. If a diagnostic mode is detected, the [Clevision] signal provided to a [Clevision] signal receiving apparatus, e.g., a [Clevision] set, is [Clevision] signal receiving apparatus, e.g., a [Clevision] signal provided to the receiving apparatus and/or a light-emitting device, e.g., a light-emitting diode (LED), is pulsed a specified number of times corresponding to the detected diagnostic mode. The cycle of disabling the [Clevision] signal provided to the receiving apparatus and pulsing either or both the [Clevision] signal provided to the receiving apparatus and/or the LED is repeated until a transaction is received from the headend cancelling the diagnostic mode. Thus, the pulsing of the [Clevision] signal provided to the receiving apparatus alerts the user of the receiving apparatus that a problem has occurred to the interdiction unit, and this information may be provided by the user to the cable [Clevision] operator. Likewise, the pulsing LED coupled to the interdiction unit may alert a technician working on the interdiction unit as to the cause of the problem. In a preferred embodiment, the LED may be located on a tamper override module (TOM) inserted into the interdiction unit by a technician in order to service the interdiction unit. 2. 4,907,093, Mar. 6, 1990, Method and apparatus for preventing the copying of a viceo program; John O. Ryan, 358/335, 319; 360/37.1; 380/5, [II], 15 [IIMAGE AVAILABLE]] 10:23:13 COPY AND CLEAR PAGE, PLEASE	٠	US PAT NO	: 5,243,651	IMAGE AVAILABLE	Li	2: 1 of 6	
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	ABSTRACT A Video	signal is modifie	ed so that a	television re	ceiver will st	i11	
	and proh	a normal color pi ibit its being re tive pulses are a	ecorded. A p	lurality of or	dered pairs of	pseudo-sync	
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•	positive	g the voltage did pulse relative t	to the norma	l voltage diff	erential betwee	en the sync	
•.	pulse tip modified	p and the back po signal can be de	orch of the etected by i	blanking interdentifying the	val. Alternativ pulse frequenc	vely, the	
	signal in	n the blanking in of the modified	iterval. A h	igh frequency	is indicative	of the	
	the vide	signal and samperiod. A contro	oling this p	eak-detected s	ignal during th	ne vertical	
•	present.	which disables to the recording of	the recordin	g device. If n	o modified sign	nal is	
	3. 4,46: 380/10;	1,032, Jul. 17, 1 348/7, 10; 380/20	1984, CATV S 0; 455/4.1 [ervice control IMAGE AVAILABL	ler; Peter C. S El	Skerlos,	
•	US PAT NO	0: 4,461,032	[IMAGE AVAI	LABLE	L12: 3 of	6	
	ABSTRACT	: ly located and co	untrolled or	ogramming cont	roller for a		
	cable-cor	mpatible televisi signals are provi	on receiver	is disclosed.	Cable head end	d-generated	
•	selective	ely enabling the on receiver. Code	reception o	f subscribed-to	CATV channels	s by the	
•	signals a	are provided to ϵ	each control	ler in the cab	le network for	selectively	
	distribut	disabling each o	oller is res	ponsive to tra	nsmitted operat	ting mode	
	reception	data bits for ena n. In addition, e	each control	ler is assigne	d and responsiv	/e to	
	Operating	ntly transmitted, g mode control ar	ıd address d	ata are represe	ented respectiv	elv hv the	
•	programmi	d last bit groups ing controller ma	of the heamvoice	d end-generated lv located in d	d cable access coupling the M	signal. The	
	receiver	to the cable net rated probe signa	work with s	vstem status m	onitoring provi	ided by head	
	4. 4,36	7,557, Jan. 4, 19	83. Wired b	roadcasting sy	stems: losenh I	. Stern et	
	al., 455/	/4.2;´340/310.01, VAILABLEJ	310.07, 82	5.71; 348/6; s	80/7, 20; 455/4	1.1, 70	
	US PAT NO	0: 4,367,557	[IMAGE AVAI	LABLE]	L12: 4 of	6	
•	ABSTRACT: Subscribe	er access to the	te evision	transmissions /	of a cable filter	austom on	
	other will	red program trans controlled unit	mission is:	governed by sw	itching means i	in the	
a	wnich swi	itching means is	enabled or	disabled in re:	sponse to infor	rmation	
72	Controlle	the power flow weed unit may be co	ded at the	cable 🔼 power	sumply in rest	onse to a	
٠.	from the	modulated RF car cable television	rier signal broadcast	transmitted to central station	o all power sur n. or other cer	oply units	
•	location.	Stated in other COPY AND CLEAR P	words, a p	rogram control	center general	es binary	
•	 		,				
	INPUT:						
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U.S. Patent & Trademark Office P0029 U.S. PAT NO: 4,367,557 [IMAGE AVAILABLE] L12: 4 of 6 coded instructions including address words which are conveyed in a wired signal transmission system to multiple subscriber stations by encoding in a special way the output of a power supply used to supply energization to portions of the system. Upon comparison of the addresses, each station addressed is directed remotely by the coded instructions to achieve any of a plurality of switching functions, including the selective connection of program materials to the subscriber's outlet. 5. 4,286,288, Aug. 25, 1981, Apparatus and method for tamper resistant channel attenuation in subscription [Elevision converter; James K. Waldo, ENDAW; 348/10; 380/13; 455/131; 315 [IMAGE AVAILABLE] U.S. PAI NO: 4,286,288 [IMAGE AVAILABLE] L12: 5 of 6 ABSTRACT: Aster resistant subscription television converter is made by connecting a bactor of item in the Radio Frequency circuit of the converter of item, and a bactor of item in the Radio Frequency circuit such that tampering with it would affect the converter's alignment. The filter is tuned to obtain maximum attemuation of the preselected channels and the converter is aligned for proper reception of the remaining channels. Any attempt to [IMBNIDE] the attenuator results in unacceptable reception of all channels. A preferred bandstop filter is a constant K, I section L-C filter. 6. 3,899,633, Aug. 12: 1975, Subscription [Elevision] signals modulated on carriers not directly receivable by a standard [Elevision] set are impressed upon a master cable system extending to subscriber stations having converter means to receive selected secure channels. Each subscriber stations is achieved by actuating the desired subscriber stations by means of a code desquence of tone signals of discrete frequencies. Each subscriber station being responsive only to a unique coded sequence of tone signals of discrete frequencies. Each subscriber station is provided with frequency logic gating, the gating for ea			RNARD E. GREGOR' lr_Out Ina Ref i		Mode Prt_All	Pet_Rem Con	t_Prt Add_Blk
U.S. Patent & Trademark Office P0029 US PAT NO: 4,367,557 [IMAGE AVAILABLE] LODGE instructions including address words which are conveyed in a wired signal transmission system to multiple subscriber stations by encoding in a special way the output of a power supply used to supply energization to portions of the system. Upon comparison of the addresses, each station addressed is directed remotely by the coded instructions to achieve any of a plurality of switching functions, including the selective connection of program materials to the subscriber's outlet. 5. 4,285,283, Aug. 25, 1981, Apparatus and method for tamper resistant channel attenuation in subscription [Elevision converter; James K. Waldo, EDDW; 348710; 380/13; 455/13], 316 [IMAGE AVAILABLE] US PAT NO: 4,286,288 [IMAGE AVAILABLE] L12: 5 of 6 ABSTRACT: A tamper resistant subscription television converter is made by connecting a bandstop filter in the Radio Frequency circuit of the converter. The filter, for attenuating one or more preselected subscription "Elevision" channels is connected in series at a location in the Radio Frequency circuit such that tampering with it would affect the converter's alignment. The filter is tuned to obtain maximum attenuation of the preselected channels and tatemut to alignment to a subscription of the remaining channels. Any attempt to a subscription [Elevision] A preferred bandstop filter is a constant K, I section L-C filter. 6. 3,899,633, Aug. 12, 1975, Subscription [Elevision] system; Keith S. Sorenson, et al., EDW; 348/3, 10; 380/20; 455/2, 4.1, 4.2, 190.1 [IMAGE AVAILABLE] US PAI NO: 3,899,633 [IMAGE AYAILABLE] L12: 6 of 6 ABSTRACT: A Subscription [Elevision] system, in which secure [Elevision] signals maying converter means to receive selected secure subscriber stations by means of a coded sequence of tone signals of discrete frequencies. Each maying converter means to receive selected secure subscriber station for a command from a central station remote from the subscriber station is provided with f	00	Move		Text Sea	rch		Close
coded instructions including address words which are conveyed in a wired signal transmission system to multiple subscriber stations by encoding in a special way the output of a power supply used to supply energization to portions of the system. Upon comparison of the addresses, each station addressed is directed remotely by the coded instructions to achieve any of a plurality of switching functions, including the selective connection of program materials to the subscriber's outlet. 5. 4,286,288, Aug. 25, 1981, Apparatus and method for tamper resistant channel attenuation in subscription [Celevision] converter; James K. Waldo, ENDY; 348710; 380713; 4557131, 315 [IMAGE AVAILABLE] US PAI NO: 4,286,288 IIMAGE AVAILABLE] L12: 5 of 6 ABSTRACT: A tamper resistant subscription television converter is made by connecting a bandstop filter in the Radio Frequency circuit of the converter. The filter, for attenuating one or more preselected subscription Elevision consuch that samper in with series at a location in the Radio Frequency circuit such that samper in with maximum attent the converter's alignment. The filter is tuned to obtain maximum attent the converter's alignment. The filter is tuned to obtain maximum attent the converter's aligned for proper reception of the remaining channels. Any attempt to MISSIDE the attenuator results in unacceptable reception of all channels. A preferred bandstop filter is a constant K, I section L-C filter. 6. 3,899,633, Aug. 12, 1975, Subscription [December of the remaining channels and the converter series and directly receivable by a standard [December of the secure channels and the converter series and the c			:24:10	U.S. Patent	& Trademark	Office	P0029
channel attenuation in subscription [Coloration Converter;] ames K. Waldo, SNOV13; 435/13; 435/13; 436	•	coded instru- signal trans special way portions of addressed is plurality of program mate	ctions includin mission system the output of a the system. Upo directed remot switching funcrials to the su	g address words to multiple sub power supply u n comparison of ely by the code tions, includin bscriber's outl	which are obscriber states to supply the address d instruction the selectes.	conveyed in a tions by enco ly energizati ses, each sta ons to achiev tive connecti	wired oding in a lon to ation //e any of a lon of
ABSTRACT: A tamper resistant subscription television converter is made by connecting a bandstop filter in the Radio Frequency circuit of the converter. The filter, for attenuating one or more preselected subscription Television channels is connected in series at a location in the Radio Frequency circuit such that tampering with it would affect the converter's alignment. The filter is tuned to obtain maximum attenuation of the preselected channels and the converter is aligned for proper reception of the remaining channels. Any attempt to MISSIDIE the attenuator results in unacceptable reception of all channels. A preferred bandstop filter is a constant K, T section L-C filter. 6. 3,899,633, Aug. 12, 1975, Subscription Television system; Keith S. Sorenson, et al., ENOVA; 348/3, 10; 380/20; 455/2, 4.1, 4.2, 190.1 [IMAGE AVAILABLE] US PAI NO: 3,899,633 [IMAGE AVAILABLE] L12: 6 of 6 ABSTRACT: A subscription Television system, in which secure television signals modulated on carriers not directly receivable by a standard Television set are impressed upon a master cable system extending to subscriber stations having converter means to receive selected secure channels. Each subscriber station possesses means to selectively enable or Television reception of any or all of the secure signals in response to a command from a central station remote from the subscriber stations. Selective addressing of individual subscriber stations is achieved by actuating the desired subscriber stations by means of a coded sequence of tone signals of discrete frequencies. Each subscriber station is provided with frequency logic gating, the gating for each subscriber station is provided with frequency logic gating, the gating for each subscriber station is provided with frequency logic gating, the gating for each subscriber station are also used to command which of the secure channels are to be enabled. This function is performed by varying the duration and time pattern of the coded tones which are used to address the subscriber station		channel atte	nuation in subs	cription televi	sion convert	r tamper resi ter; James K.	stant Waldo,
A tamper resistant subscription television converter is made by connecting a bandstop filter in the Radio Frequency circuit of the converter. The filter, for attenuating one or more preselected subscription cleavision channels is connected in series at a location in the Radio Frequency circuit such that tampering with it would affect the converter's alignment. The filter is tuned to obtain maximum attenuation of the preselected channels and the converter is aligned for proper reception of the remaining channels. Any attempt to dissolve the attenuator results in unacceptable reception of all channels. A preferred bandstop filter is a constant K, T section L-C filter. 6. 3,899,633, Aug. 12, 1975, Subscription television system; Keith S. Sorenson, et al., ENDY; 348/3, 10; 380/20; 455/2, 4.1, 4.2, 190.1 [IMAGE AVAILABLE] US PAT NO: 3,899,633 [IMAGE AVAILABLE] L12: 6 of 6 ABSTRACT: A subscription television system, in which secure television set are impressed upon a master cable system extending to subscriber stations having converter means to receive selected secure channels. Each subscriber station possesses means to selectively enable or tismole reception of any or all of the secure signals in response to a command from a central station remote from the subscriber stations. Selective addressing of individual subscriber stations is achieved by actuating the desired subscriber stations by means of a coded sequence of tone signals of discrete frequencies. Each subscriber station is provided with frequency logic gating, the gating for each subscriber station being responsive only to a unique coded sequence of tones signals of discrete frequencies. Each subscriber station being responsive only to a unique coded sequence of tones to enable the receipt of a command from the central station. The same frequency coded tones which are used to address the subscriber station are also used to command which of the secure channels are to be enabled. This function is performed by varying the duration and time pattern of the		US PAT NO:	4,286,288 II	MAGE AVAILABLE		L12: 5 of 6	•
US PAT NO: 3,899,633 [IMAGE AVAILABLE] ABSTRACT: A subscription relevision system, in which secure relevision signals modulated on carriers not directly receivable by a standard relevision set are impressed upon a master cable system extending to subscriber stations having converter means to receive selected secure channels. Each subscriber station possesses means to selectively enable or resolvent remote from the subscriber stations. Selective addressing of individual subscriber stations is achieved by actuating the desired subscriber stations by means of a coded sequence of tone signals of discrete frequencies. Each subscriber station is provided with frequency logic gating, the gating for each subscriber station being responsive only to a unique coded sequence of tones to enable the receipt of a command from the central station. The same frequency coded tones which are used to address the subscriber station are also used to command which of the secure channels are to be enabled. This function is performed by varying the duration and time pattern of the coded tones within the original coded sequence which is used to address the subscriber station. The mode of enablement can, among other possibilities, be the generation at the subscriber station of a noise signal, which noise signal is selectively applied to the secured channel signals whenever the subscriber station is set to receive a secure channel whose reception has not been enabled. -> file jpoabs FILE 'JPOABS' ENTERED AT 10:24:28 ON 25 AUG 95 10:24:29 COPY AND CLEAR PAGE, PLEASE		A tamper a bandstop f filter, for channels is such that tan filter is turn the converter attempt to []	ilter in the Ra attenuating one connected in se mpering with it ned to obtain m r is aligned for isable the atte	dio Frequency c or more presel ries at a locat would affect t aximum attenuat r proper recept nuator results	ircuit of the ected subscrion in the Factorian of the pion unaccepta	ne converter. ription televalue Radio Frequent reselected of remaining characters able reception	The vision acy circuit The channels and annels. Any
Asubscription relevision system, in which secure relevision signals modulated on carriers not directly receivable by a standard relevision set are impressed upon a master cable system extending to subscriber stations having converter means to receive selected secure channels. Each subscriber station possesses means to selectively enable or reception of any or all of the secure signals in response to a command from a central station remote from the subscriber stations. Selective addressing of individual subscriber stations is achieved by actuating the desired subscriber stations by means of a coded sequence of tone signals of discrete frequencies. Each subscriber station is provided with frequency logic gating, the gating for each subscriber station being responsive only to a unique coded sequence of tones to enable the receipt of a command from the central station. The same frequency coded tones which are used to address the subscriber station are also used to command which of the secure channels are to be enabled. This function is performed by varying the duration and time pattern of the coded tones within the original coded sequence which is used to address the subscriber station. The mode of enablement can, among other possibilities, be the generation at the subscriber station of a noise signal, which noise signal is selectively applied to the secure channel signals whenever the subscriber station is set to receive a secure channel whose reception has not been enabled. => file jpoabs FILE 'JPOABS' ENTERED AT 10:24:28 ON 25 AUG 95 10:24:29 COPY AND CLEAR PAGE, PLEASE		6. 3,899,63 Sorenson, et AVAILABLEI	3, Aug. 12, 1979 al., 58077 ; 34	5, Subscription 8/3, 10; 380/20	television ; 455/2, 4.1	system; Keit 1, 4.2, 190.1	h S. [IMAGE
A subscription relevision system, in which secure relevision signals modulated on carriers not directly receivable by a standard relevision set are impressed upon a master cable system extending to subscriber stations having converter means to receive selected secure channels. Each subscriber station possesses means to selectively enable or reception of any or all of the secure signals in response to a command from a central station remote from the subscriber stations. Selective addressing of individual subscriber stations is achieved by actuating the desired subscriber stations by means of a coded sequence of tone signals of discrete frequencies. Each subscriber station is provided with frequency logic gating, the gating for each subscriber station being responsive only to a unique coded sequence of tones to enable the receipt of a command from the central station. The same frequency coded tones which are used to address the subscriber station are also used to command which of the secure channels are to be enabled. This function is performed by varying the duration and time pattern of the coded tones within the original coded sequence which is used to address the subscriber station. The mode of enablement can, among other possibilities, be the generation at the subscriber station of a noise signal, which noise signal is selectively applied to the secured channel signals whenever the subscriber station is set to receive a secure channel whose reception has not been enabled. => file jpoabs FILE 'JPOABS' ENTERED AT 10:24:28 ON 25 AUG 95 10:24:29 COPY AND CLEAR PAGE, PLEASE		US PAT NO:	3,899,633 []	MAGE AVAILABLE		L12: 6 of 6	•
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	1. 06-269174, Sep. 22, al., H02M 7/04; G05F 1	, 1994, ADAPTER EQUIPPED WI /10; G05F 1/56; H01R 31/06;	ITH TIMER; HIROAKI ISHII, et; H02M 7/06
ł	06-269174		L18: 1 of 24
	ABSTRACT:		
	My game, for a long time	me by providing the power s	ncentration on a game, e.g. supply for the game for limiting the operating
	output from an AC power secondary voltage there capacitor C to produce signal from timer IC1 withe transistor Tr thus Consequently, a game man a power supply stops or	r supply through a transfor eof through a rectifier Rec a DC power. When a set tim varies the base voltage of cutting DC output from an	c and then smoothes through a me is elapsed, a control a transistor Tr to turn OFF output terminal Eo. ter equipped with a timer as uation of the game. A LFD
l	2. 05-260404, Oct. 8,	1993, TELEVISION RECEIVER:	; SHUNEI HAYASHI, H04N 5/445
l	05–260404		L18: 2 of 24
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ı	ABSTRACT:		
	message and advice info	son why an item cannot be sormation of a selection disable item is selected on a	sable item onto a screen
	a menu pattern and selected item is a selected item is a selected item is a selected is read from the section 6 and displays message or the advice in executed is outputted about such as out of or executed. Furthermore,	ction disable items is not	ray of a control ray tube 13. Since the ed function cannot be on is made clear, a care the function is not
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	from one center 4 to units 35 through wire part 25 over special ctransmitter 28 in the special channels are idata turnes to one of circuit operates to se that images will be re 28 polls respective te	ATV system that transmits velevision receivers 3 provious 5, programs are sent out, of channels. In a down data signetter 4, data which are all ncluded, and terminal device special channel when the coelect the specific channel we ceived over the special channel we could be arminal device 35 and collect the special channel we could be arminal device 35 and collect the special channel we could be arminal device 35 and collect the special channel we could be arminal device 35 and collect the special channel we could be arminal device 35 and collect the special channel we could be arminal device 35 and collect the special channel we could be arminal device 35 and collect the special channel we can always a special channel we can always a special channel we can always a special channel when the contract the special channel we can always a special channel when the contract the special channel we can always a special channel when the contract the special channel when the contract the special channel we can always a special channel when the contract the special channel when the special channel when the contract the special channel when the speci	ded to respective terminal modulating transmission and sent out of data lowed to receive image of e 35 having received the mmunication control with the channel switch, so annel. Then, data transmitter its and analyzes 30 answers	
	24. 55-96775, Jul. 23 5/64; H04N 5/00	, 1980, REMOTE CONTROL UNIT	; SATOSHI HOSODA, HO4N	
ı	ź 55–96775		L18: 24 of 24	
ļ	ABSTRACT:	•		
	erroneous operations a key lock means which c	peration change of a control and mischievous operations of an break selectively a radi I reaches the remote control	of children, by providing a consignal which is generated	
	remote control transmi control receiving part Between light transmis 9 is provided which caposition pressed into radio signal generated first position, but the	n be switched to the first the <mark>relevision</mark> receiver fro l from light transmission pa	part 7 of remote part 4. part of storage part 4. ving part 7, key lock switch position and the second on the first position. The art 5 is not broken for the second position.	
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